

## **CLAIMS**

1. A recording apparatus which records a first data with a high resolution and a second data with a resolution lower than the resolution of the first data as separate files, the first data and the second data being generated from a same video and audio source, said recording apparatus comprising:

an input unit operable to receive the video and audio source from outside;

10 a first coding unit operable to code the video and audio source inputted from said input unit in order to generate the first data;

a second coding unit operable to code the video and audio source inputted from said input unit in order to generate the second data, the second data being coded with a resolution lower than a resolution of the first data; and

a recording unit operable to record at least the data coded by said first coding unit onto a recording medium,

wherein the second data includes identification information unique to the first data.

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2. The recording apparatus according to Claim 1,

wherein a file format of the second data is a MPEG-4 format, and

the identification information is an Unique Material Identifier

25 and stored in a skip box in the MPEG-4 format.

3. The recording apparatus according to Claim 2,

wherein the recording medium has a serial number which is unique to each recording medium, and

30 said recording unit is operable to store the serial number into the skip box in the second data corresponding to the first data.

4. An editing apparatus which edits a first data with a high resolution and a second data with a resolution lower than the resolution of the first data that are recorded as separate files, the first data and the second data being generated from a same video and audio source, said editing apparatus comprising

5           a search unit operable to search for the first data corresponding to the second data by using identification information unique to the file of the first data which is included in the second data, when the first data corresponding to the file of the second data  
10          is searched.

5. The editing apparatus according to Claim 4,  
wherein a file format of the second data is a MPEG-4 format,  
and

15          the identification information is an Unique Material Identifier and stored in a skip box in the MPEG-4 format.

6. The editing apparatus according to Claim 5,  
wherein a recording medium in which the first data is stored  
20        has a serial number unique to each recording medium, and  
              said search unit is further operable to identify the recording medium using the serial number and to search for the first data corresponding to the second data in the identified recording medium using the Unique Material Identifier, when the first data corresponds  
25        to the file of the second data is searched.

7. A digital video recording system comprising:  
              a recording apparatus which records a first data with a high resolution and a second data with a resolution lower than the resolution of the first data as separate files, the first data and the second data being generated from a same video and audio source;  
30        and

an editing apparatus which edits the first data and the second data,

wherein said recording apparatus includes:

5      an input unit operable to receive the video and audio source from outside;

a first coding unit operable to code the video and audio source inputted from said input unit in order to generate the first data;

10     a second coding unit operable to code the video and audio source inputted from said input unit in order to generate the second data, the second data being coded with a resolution lower than a resolution of the first data; and

a recording unit operable to record at least the data coded by said first coding unit onto a recording medium, and

said editing apparatus including

15     a search unit operable to search for the first data corresponding to the second data by using identification information unique to the file of the first data which is included in the second data, when the first data corresponding to the file of the second data is searched.

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8.      The digital video recording system according to Claim 7, wherein a file format of the second data is a MPEG-4 format, the identification information is an Unique Material Identifier and stored into a skip box in the MPEG-4 format.

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9.      The digital video recording system according to Claim 8, wherein the recording medium has a serial number which is unique to each recording medium,

30     said recording unit is operable to store the serial number into the skip box in the second data corresponding to the first data, and said search unit is further operable to identify the recording medium using the serial number and to search for the first data

corresponding to the second data in the identified recording medium using the Unique Material Identifier, when the first data corresponds to the file of the second data is searched.

- 5    10. A file format which is used for a second data with a resolution lower than a resolution of a first data, the first data and the second data being generated from a same video and audio source,  
      wherein the second data stores identification information unique to a file of the first data.

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11. The file format according to Claim 10,  
      wherein a file format of the second data is a MPEG-4 format,  
and  
      the identification information is an Unique Material Identifier  
15 and stored in a skip box in the MPEG-4 format.

12. The file format according to Claim 11,  
      wherein a serial number which is unique to a medium included  
in a recording medium recording the first data is stored the skip box  
20 in the second data.